

B Docket
11-109

FILED/ACCEPTED

AUG - 9 2011

Federal Communications Commission
Office of the Secretary

7/11/11
Letter to:

Federal Communications Commission (FCC)

Regarding:

S2358 SAT-MOD-20101118-00239
LightSquared Subsidiary LLC

IB2010003539

LightSquared Subsidiary LLC modification request

Dear FCC:

As a tax paying US citizen who has worked with and helped develop GIS, GPS, Remote Sensing and Satellite Communications Systems in this country and abroad – I ask in writing that the FCC forego any and all considerations to the LightSquared Subsidiary LLC modification request. The political overtones and cronyism aside – I write with firsthand knowledge and practical test experience that what is being proposed will negatively impact humanity.

The LightSquared Subsidiary LLC modification request will degrade and negatively impact the NAVSTAR GPS signal. This will have the effect of re-instituting SA – selective availability. This is not about better signal filters needing to be developed by Commercial GPS Manufacturers. The impact of approving the LightSquared Subsidiary LLC modification request will negatively affect:

- PPS broadcasts used by cellular sites to coordinate cellular traffic
- Render nearly useless the hundreds of millions of handheld GPS units used globally that work fine today and are used on rare occasions that are no longer under warranty and have reached their EOL date for repairs
- Machine Control equipment from backhoes to massive Earth Movers rely on stable and accurate GPS signals that are not stepped on within or near their frequency allocations
- Rural Emergency E911 and Urban and Rural Search and Rescue (SAR) heavily depend today on the equipment they have now that works.

These are just four (4) quick examples. There are hundreds more. The LightSquared Subsidiary LLC modification request is a bad deal. I am reminded of a serious GPS interference problem a few years ago along the California coast near Moss Point that negatively impacted the USCG, US Navy, UCSB, USFWS and local PSAP's and Emergency First Responders. The source of the interference was simply a few improperly tuned maritime/marine TV antennas in the harbor that wrecked havoc on the local community until the interference was discovered and rectified. The LightSquared Subsidiary LLC modification request is known to cause GPS signal interference problems now – and the FCC is going to allow this? What would this even be considered? The result of this modification request being approved will unequivocally result in people being placed in harm's way.

Please deny this request.

Sincerely,

Dan Cassidy